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| <b>Notice of References Cited</b> | Application/Control No.<br>10/089,231 | Applicant(s)/Patent Under<br>Reexamination<br>THIELECKE ET AL. |             |
|                                   | Examiner<br>Unsu Jung                 | Art Unit<br>1641   | Page 1 of 3 |

#### U.S. PATENT DOCUMENTS

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Name             | Classification |
|---|---|--|-----------------|------------------|----------------|
|   | A | US-4,885,945                                     | 12-1989         | Chiodo, Chris    | 73/863.32      |
|   | B | US-5,686,309                                     | 11-1997         | Frank et al.     | 436/66         |
|   | C | US-5,798,827                                     | 08-1998         | Frank et al.     | 356/39         |
|   | D | US-2004/0209351                                  | 10-2004         | Thielecke et al. | 435/287.1      |
|   | E | US-  |                 |                  |                |
|   | F | US-  |                 |                  |                |
|   | G | US-  |                 |                  |                |
|   | H | US-  |                 |                  |                |
|   | I | US-  |                 |                  |                |
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|   | K | US-  |                 |                  |                |
|   | L | US-  |                 |                  |                |
|   | M | US-  |                 |                  |                |

#### FOREIGN PATENT DOCUMENTS

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Country | Name | Classification |
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|   | T |  |                 |         |      |                |

#### NON-PATENT DOCUMENTS

| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)                                       |
|---|---|---|
|   | U | Damay, E. "Rheology of Blood Cells in Sickle Cell Disease", 1997, M.S. Thesis, Univeristy of Florida                            |
|   | V | Schwan, H.P. et al. "Null Techniques for Impedance Measurement with High Resolution", 1968, Rev. Scie. Instrum. 39:481-485      |
|   | W | Ackmann, J.J. et al. "Methods of Complex Impedance Measurements in Biologic Tissue", 1984, Crit. Rev. Biomed. Engr., 11:281-311 |
|   | X | Bator, J.M. et al. "Erythrocyte Deformability and Size Measured in a Multiparameter System That Includes Impedance Sizing", 198 |

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

|                                   |                                       |  |             |
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|                                   | Examiner<br>Unsu Jung                 | Art Unit<br>1641   | Page 2 of 3 |

**U.S. PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Name | Classification |
|---|---|--|-----------------|------|----------------|
|   | A | US-  |                 |      |                |
|   | B | US-  |                 |      |                |
|   | C | US-  |                 |      |                |
|   | D | US-  |                 |      |                |
|   | E | US-  |                 |      |                |
|   | F | US-  |                 |      |                |
|   | G | US-  |                 |      |                |
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|   | K | US-  |                 |      |                |
|   | L | US-  |                 |      |                |
|   | M | US-  |                 |      |                |

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|---|---|--|-----------------|---------|------|----------------|
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|   | T |  |                 |         |      |                |

**NON-PATENT DOCUMENTS**

| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)  |
|---|---|--|
|   | U | Janshoff, A., "Applications of Impedance Spectroscopy in Biochemistry and Biophysics", 1996, Acta Biochimica Polonica, 43:339-348                                |
|   | V | Kyle, A.H., "Characterization of Three-Dimensional Tissue Culture Using Electrical Impedance Spectroscopy", 1999, Biophys. J. 76:2640-2648                       |
|   | W | Mueller-Klieser, W., "Three-Dimensional Cell Cultures: From Molecular Mechanisms to Clinical Applications", 1997, Am. J. Phys., 273:C1109-23                     |
|   | X | Molckovsky, A. et al. "Monitoring of Cell and Tissue Responses to Photodynamic Therapy by Electrical Impedance Spectroscopy", 2001, Phys. Med. Biol. 46:983-1002 |

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

|                                   |                                       |  |             |
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|---|---|--|-----------------|------|----------------|
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|   | M | US-  |                 |      |                |

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|   | T |  |                 |         |      |                |

**NON-PATENT DOCUMENTS**

| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)  |
|---|---|--|
|   | U | Santini, M.T., "Three-Dimensional Spheroid Model in Tumor Biology", 1999, Pathobiology, 67:148-157   |
|   | V | Thielecke, H. et al. "A Multicellular Spheroid-Based Sensor for Anti-Cancer Therapeutics", 2001, Biosensors & Bioelectronics, 16:261-269   |
|   | W | Thielecke, H. et al. "Biohybrid Microarrays - Impedimetric Biosensors with 3D In Vitro Tissues for Toxicological and Biomedical Screening", 2001, Fresenius J. Anal. Chem. 369:23-29 |
|   | X |  |

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.